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(54) PRODUCTION OF OPEN-CELLULAR RIGID  
URETHANE FOAM

(57) Abstract:

PURPOSE: To obtain the titled urethane foam low in hygroscopicity and water absorptivity and excellent in heat resistance and low-temperature resistance, by using a polyol containing a specified ester of a higher fatty acid with a polyalcohol and a polyisocyanate as principal materials.

CONSTITUTION: In the production of an open-cellular

urethane foam by using a polyol and a polyisocyanate as principal materials, said polyol component contains at least 5wt%, based on the total polyol component, ester having at least one OH group, prepared by reacting a polyalcohol with an 6C or higher (un)saturated fatty acid (a product obtained by esterification of glycerin and soybean oil). It is possible to obtain an open-cellular rigid urethane foam low in hygroscopicity and water absorptivity and excellent in heat resistance and low-temperature resistance.

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